

1. PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-001745

(43)Date of publication of application : 07.01.2000

(51)Int.Cl.

C22C 38/00

C21D 9/48

C22C 38/14

(21)Application number : 10-171698

(71)Applicant : KAWASAKI STEEL CORP

(22)Date of filing : 18.06.1998

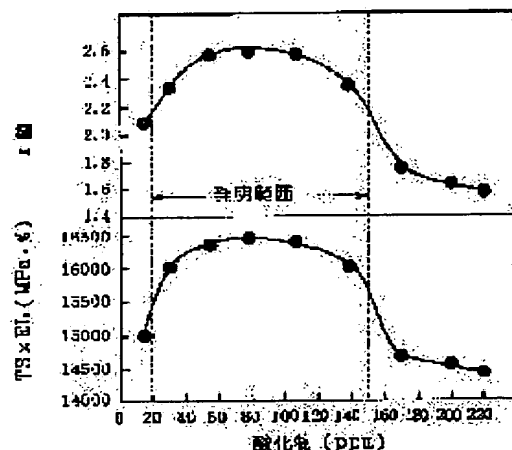
(72)Inventor : TOBIYAMA YOICHI
MATSUOKA SAIJI
NABESHIMA SEIJI
KATO CHIAKI

(54) STEEL SHEET FOR DEEP DRAWING, EXCELLENT IN SURFACE CHARACTERISTIC AND CORROSION RESISTANCE, AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a manufacturing technique of a steel sheet for deep drawing, effective in inhibiting the formation of cluster-like inclusions as well as in preventing the clogging of a nozzle at the time of continuous casting and excellent in surface characteristic, corrosion resistance, formability and deep drawability.

SOLUTION: As to the steel sheet for deep drawing and its manufacturing method, the steel sheet contains, by weight, 0.010-0.50% Ti [where 0.005-0.1% of the Ti is contained in the form of non-oxide Ti (Ti*)], $\geq 0.0005\%$ Ca and/or metallic REM, and Al in an amount satisfying inequality $\text{wt.\% Ti/wt.\% Al} \geq 5$ or inequalities $\text{Al} \leq 0.010 \text{ wt.\%}$ and $\text{wt.\% Ti/wt.\% Al} < 5$, and further, $\leq 10 \text{ ppm}$ Ca and/or metallic REM sulfides are contained in the steel.



LEGAL STATUS

[Date of request for examination]

28.08.2003

[Date of sending the examiner's decision of

14.12.2004

rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]